RB = T-DNA RIGHT BORDER
LB = T-DNA LEFT BORDER
GUS = β -GLUCURONIDASE GENE
S = HEPATITIS B VIRUS SURFACE ANTIGEN

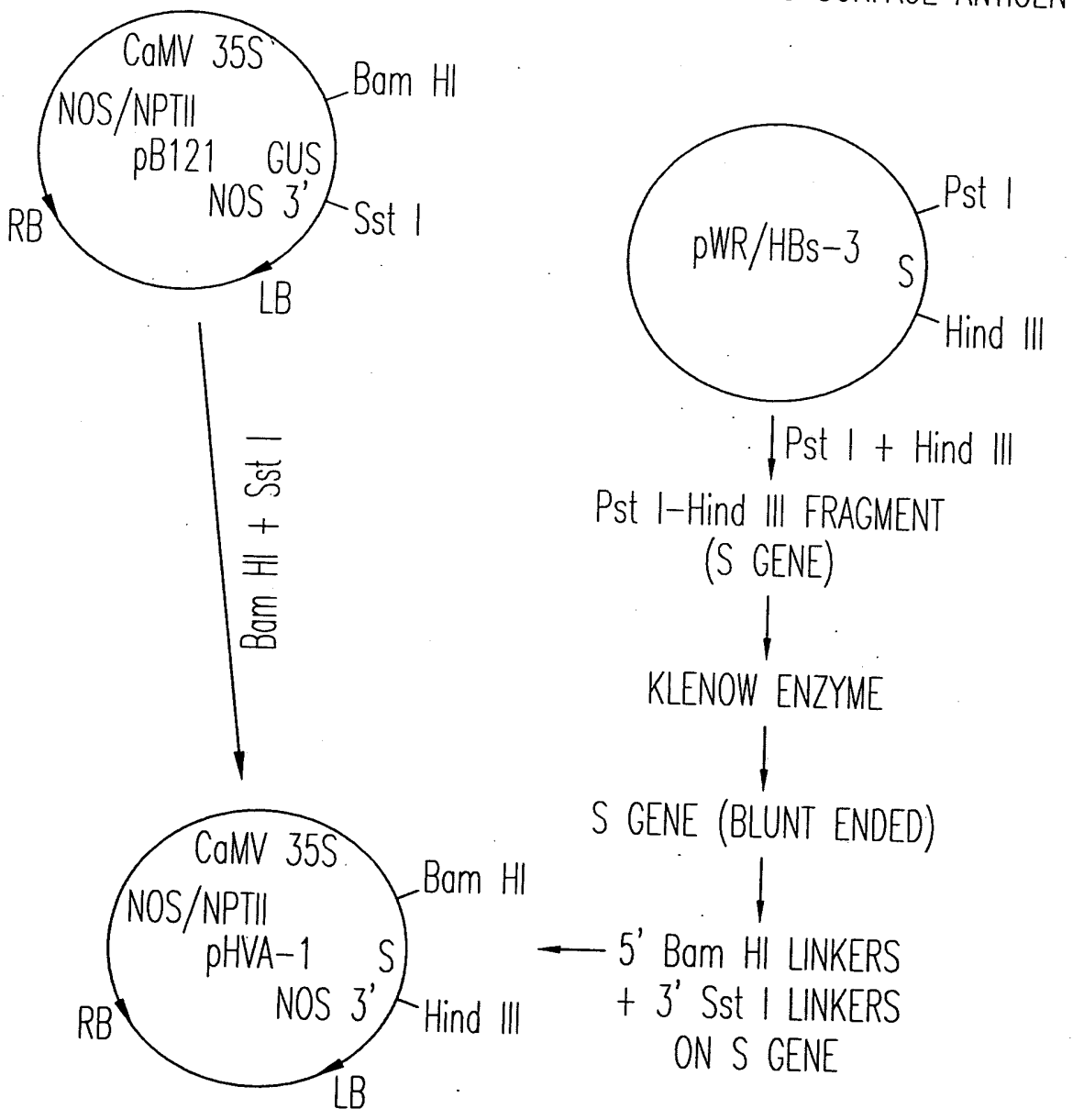


Fig. 1

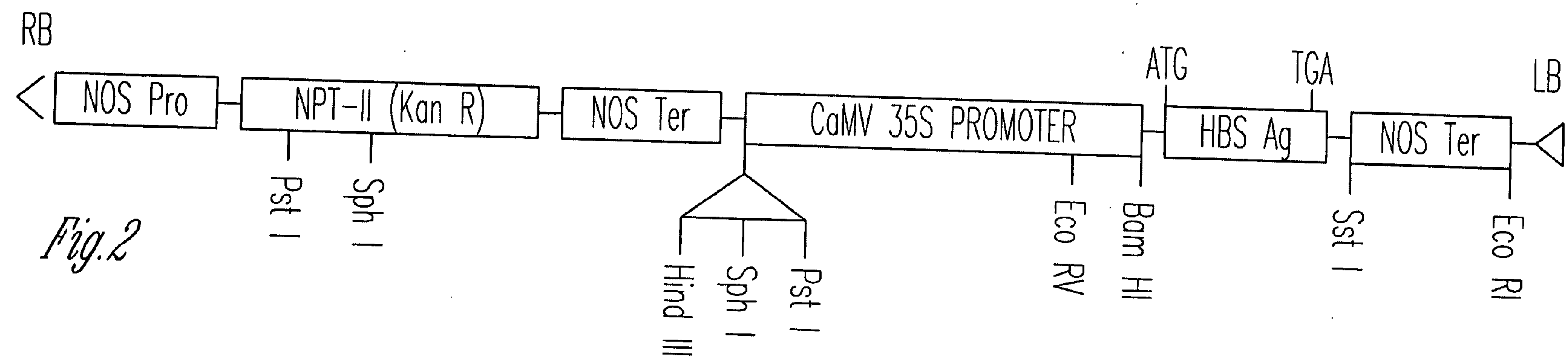

RB
NOS Pro
NPT-II (Kan R)
Pst I
Sph I
NOS Ter
Hind III
Sph I
Pst I
CaMV 35S PROMOTER
Eco RV
Bam HI
ATG
HBS Ag
TGA
NOS Ter
Sst I
Eco RI
LB

Fig.2

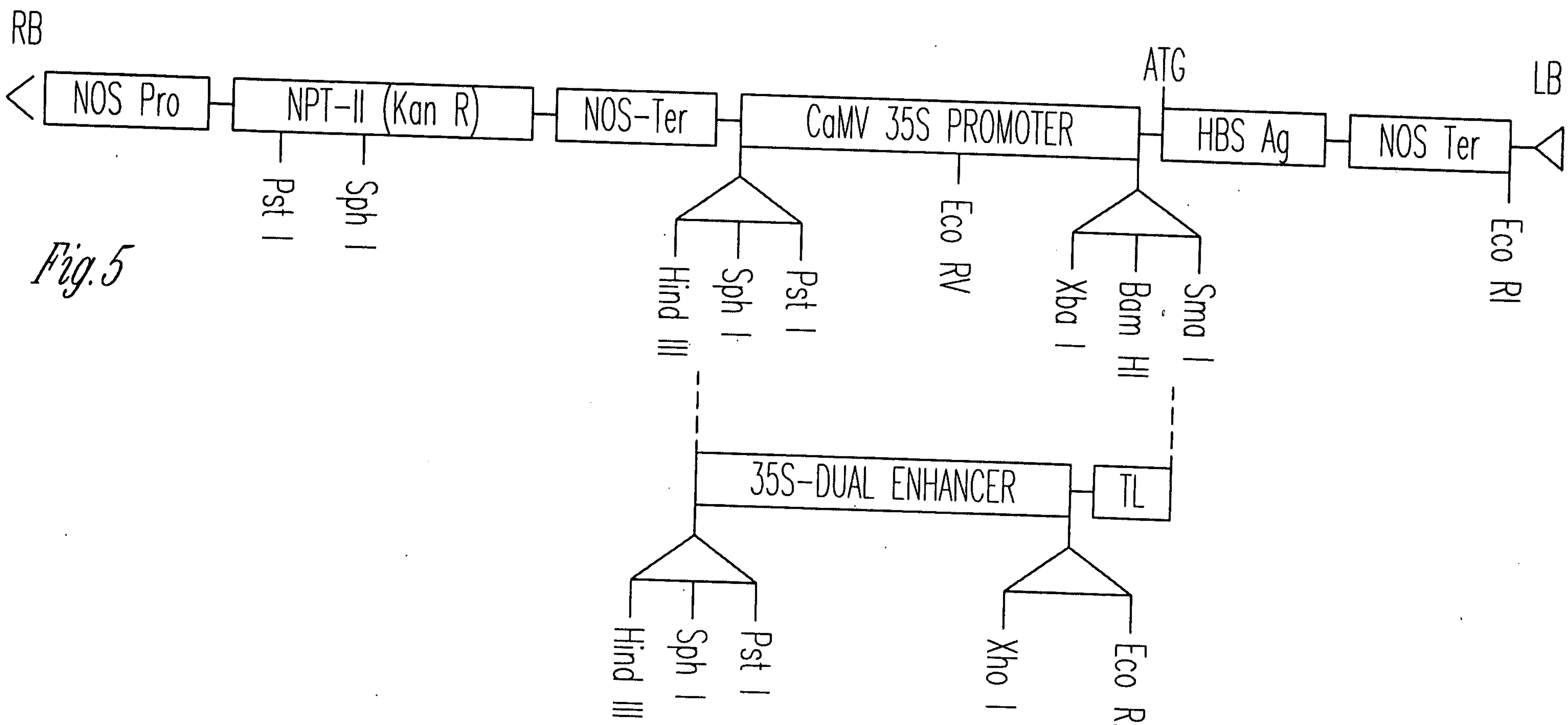
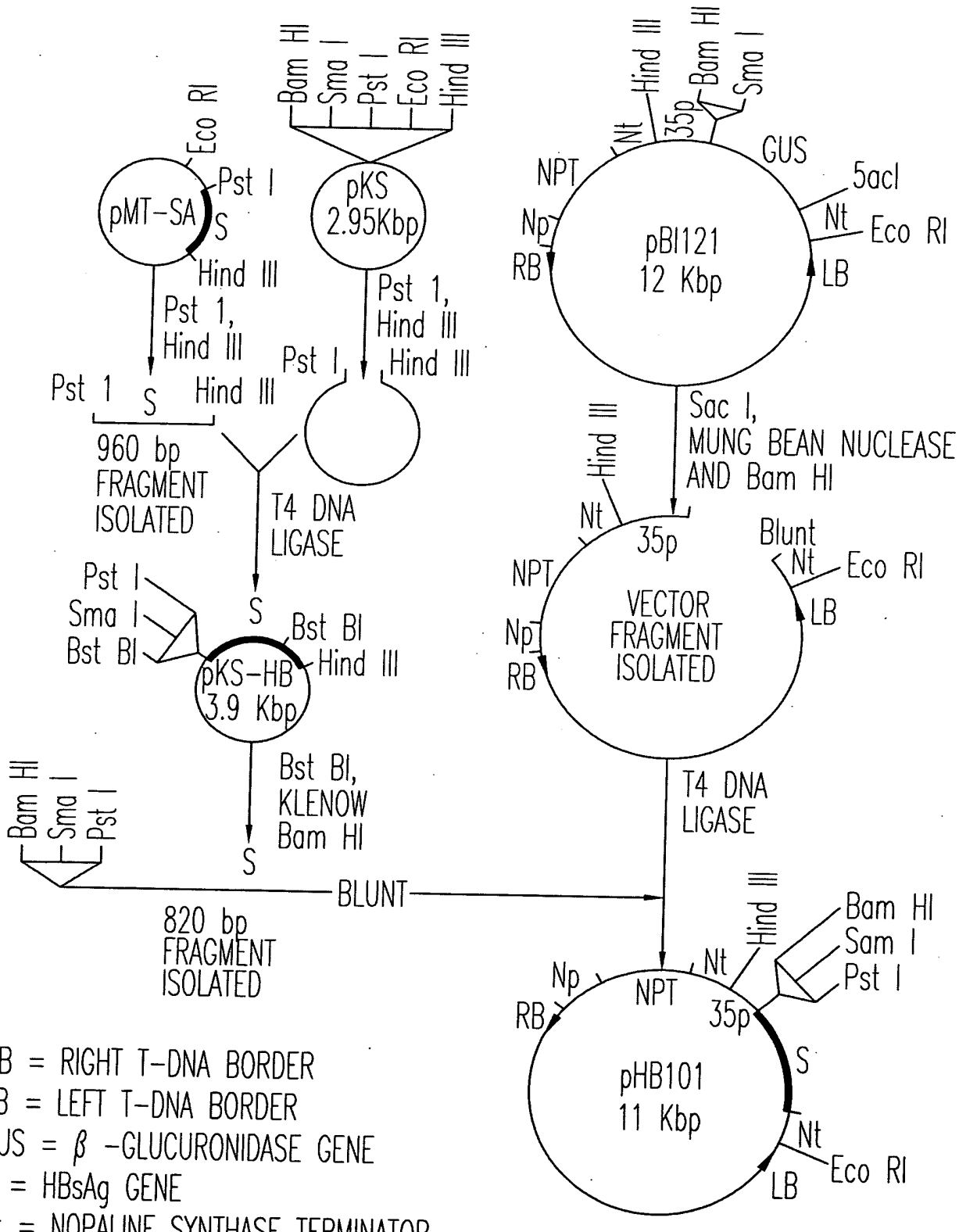
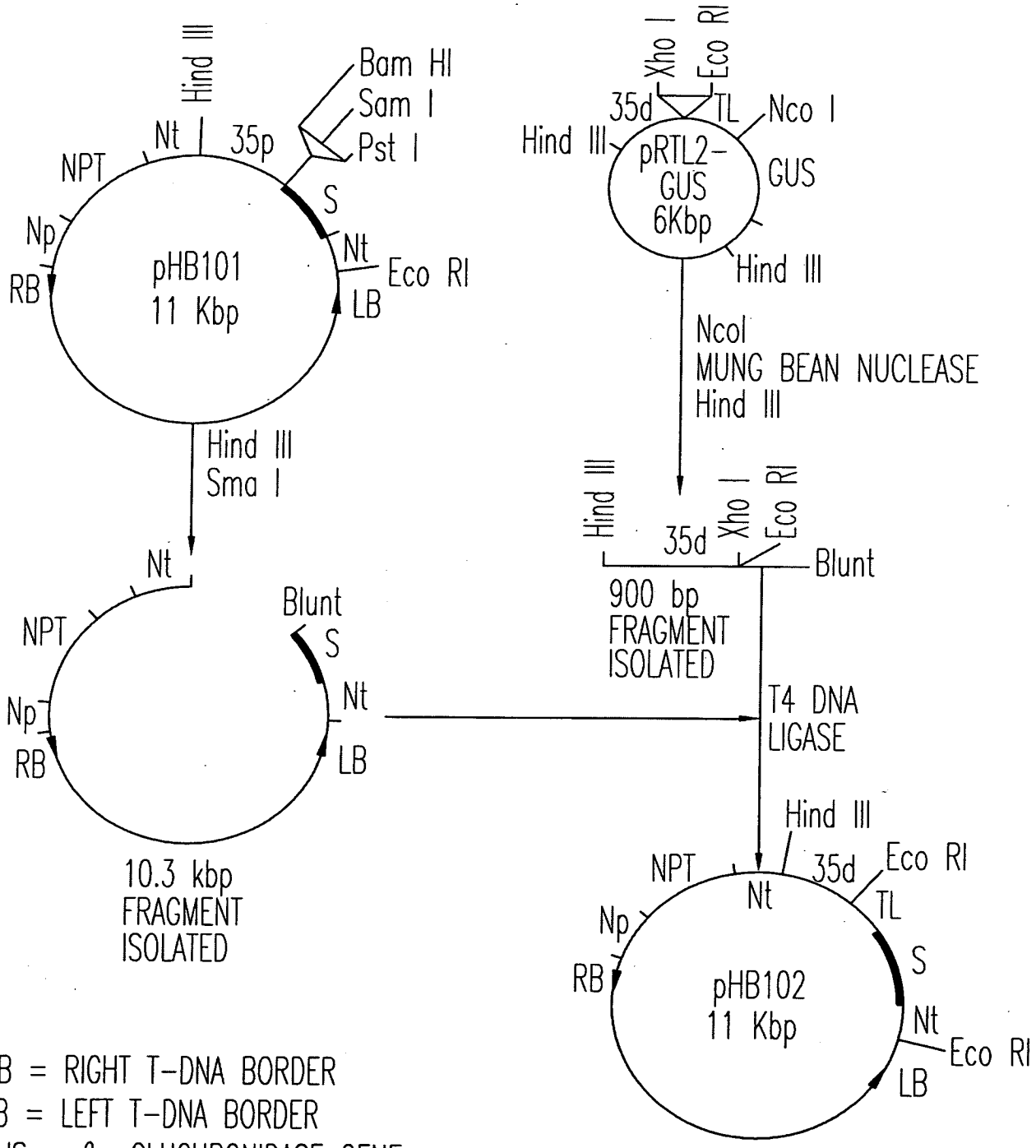

RB
NOS Pro
NPT-II (Kan R)
Pst I
Sph I
NOS-Ter
Hind III
Sph I
Pst I
CaMV 35S PROMOTER
Eco RV
Xba I
Bam HI
Sma I
ATG
HBS Ag
NOS Ter
Eco RI
LB
35S-DUAL ENHANCER
TL
Hind III
Sph I
Pst I
Xho I
Eco RI

Fig.5



RB = RIGHT T-DNA BORDER
LB = LEFT T-DNA BORDER
GUS = β -GLUCURONIDASE GENE
S = HBsAg GENE
Nt = NOPALINE SYNTHASE TERMINATOR
Np = NOPALINE SYNTHASE PROMOTER
NPT = NEOMYCIN PHOSPHOTRANSFERASE II GENE
35p = CUALIFLOWER MOSAIC VIRUS 35S PROMOTER
35d = 35S PROMOTER WITH DUPLICATED ENHANCER

Fig. 3



RB = RIGHT T-DNA BORDER
LB = LEFT T-DNA BORDER
GUS = β -GLUCURONIDASE GENE
S = HBsAg GENE
Nt = NOPALINE SYNTHASE TERMINATOR
Np = NOPALINE SYNTHASE PROMOTER
NPT = NEOMYCIN PHOSPHOTRANSFERASE II GENE
35p = CUALIFLOWER MOSAIC VIRUS 35S PROMOTER
35d = 35S PROMOTER WITH DUPLICATED ENHANCER
TL = TOBACCO ETCH VIRUS 5' NONTRANSLATED LEADER

Fig. 4

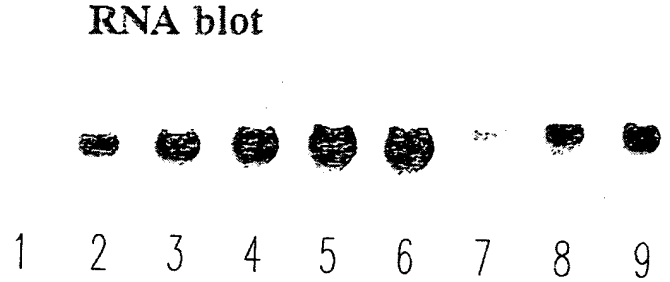


Fig. 6A

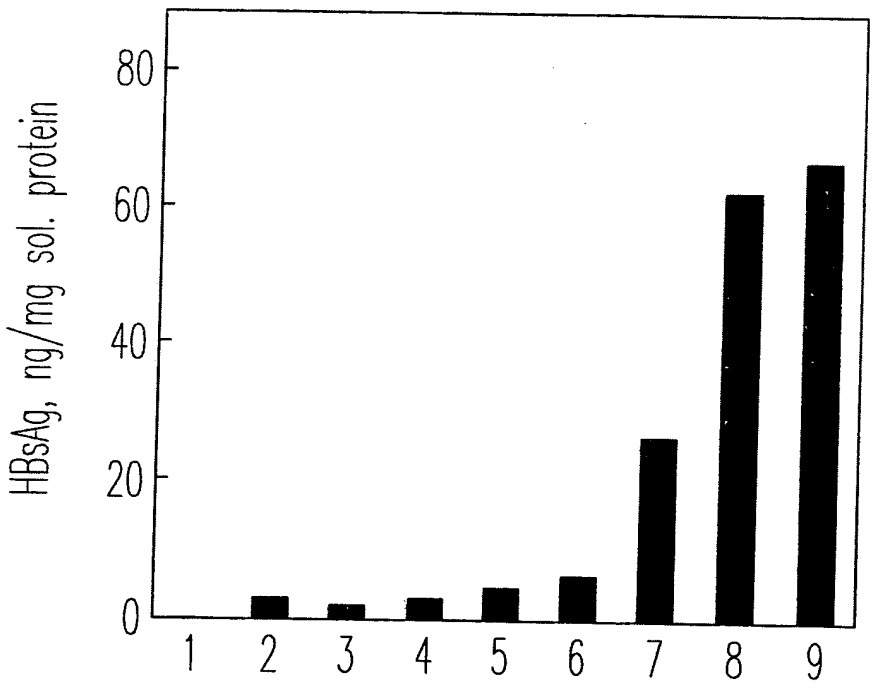


Fig. 6B

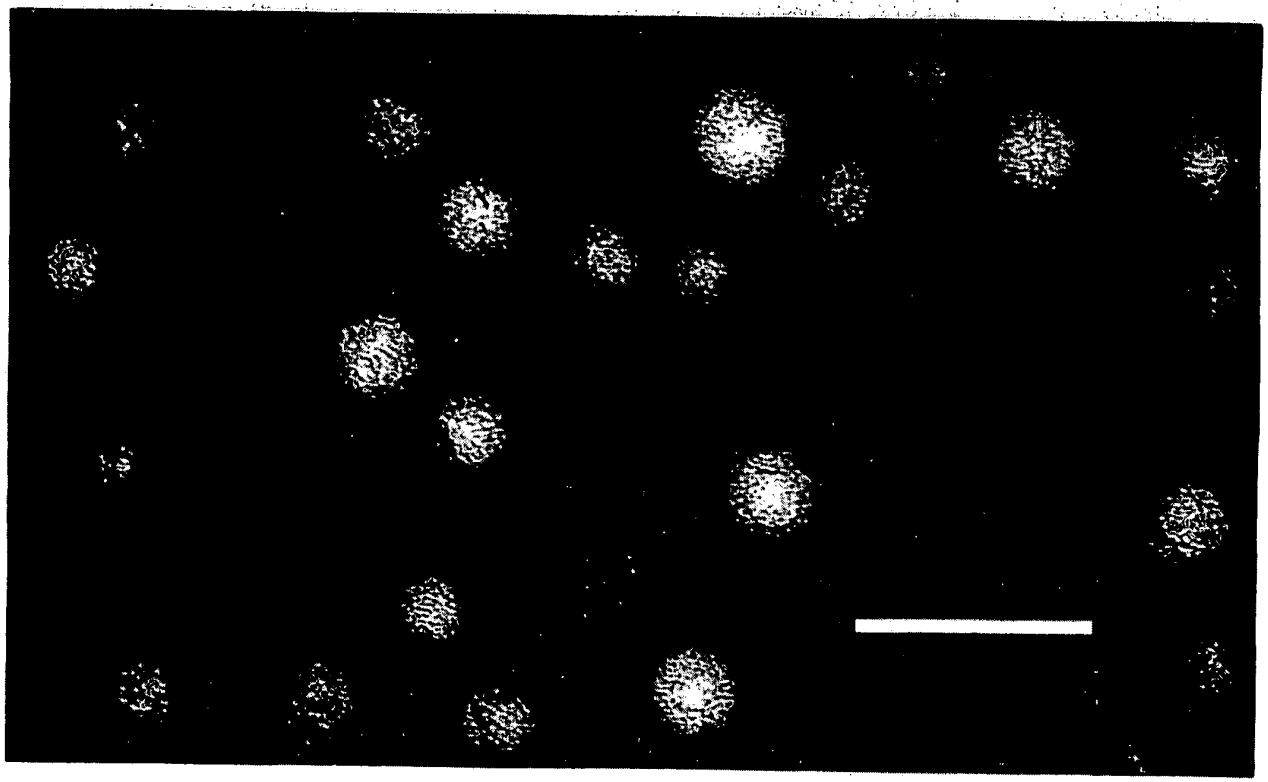


Fig. 7A

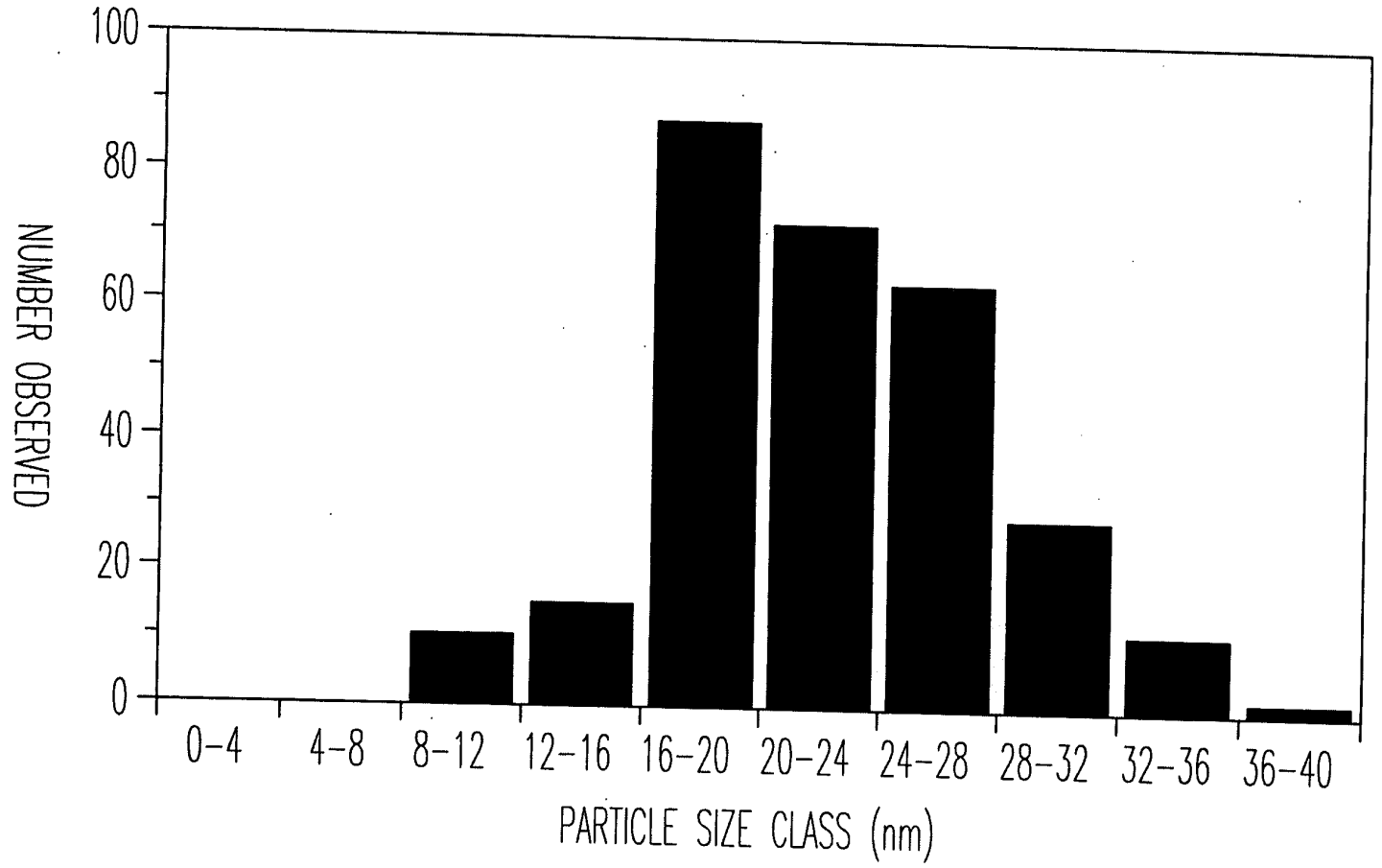


Fig. 7B

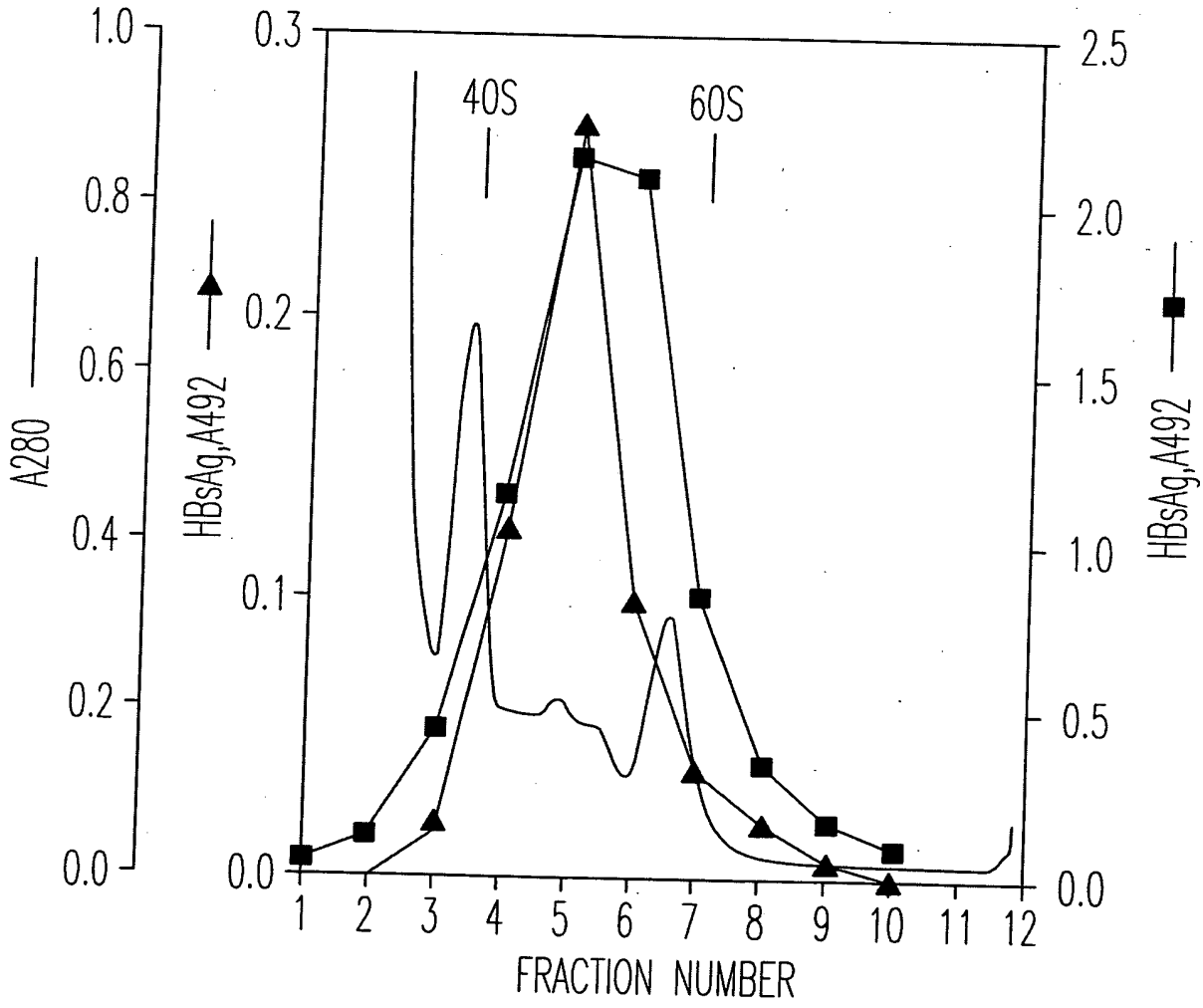

1.0
0.8
0.6
0.4
0.2
0.0
A280
0.3
0.2
0.1
0.0
HBsAg,A492
40S
60S
2.5
2.0
1.5
1.0
0.5
0.0
HBsAg,A492
1 2 3 4 5 6 7 8 9 10 11 12
FRACTION NUMBER

Fig. 8

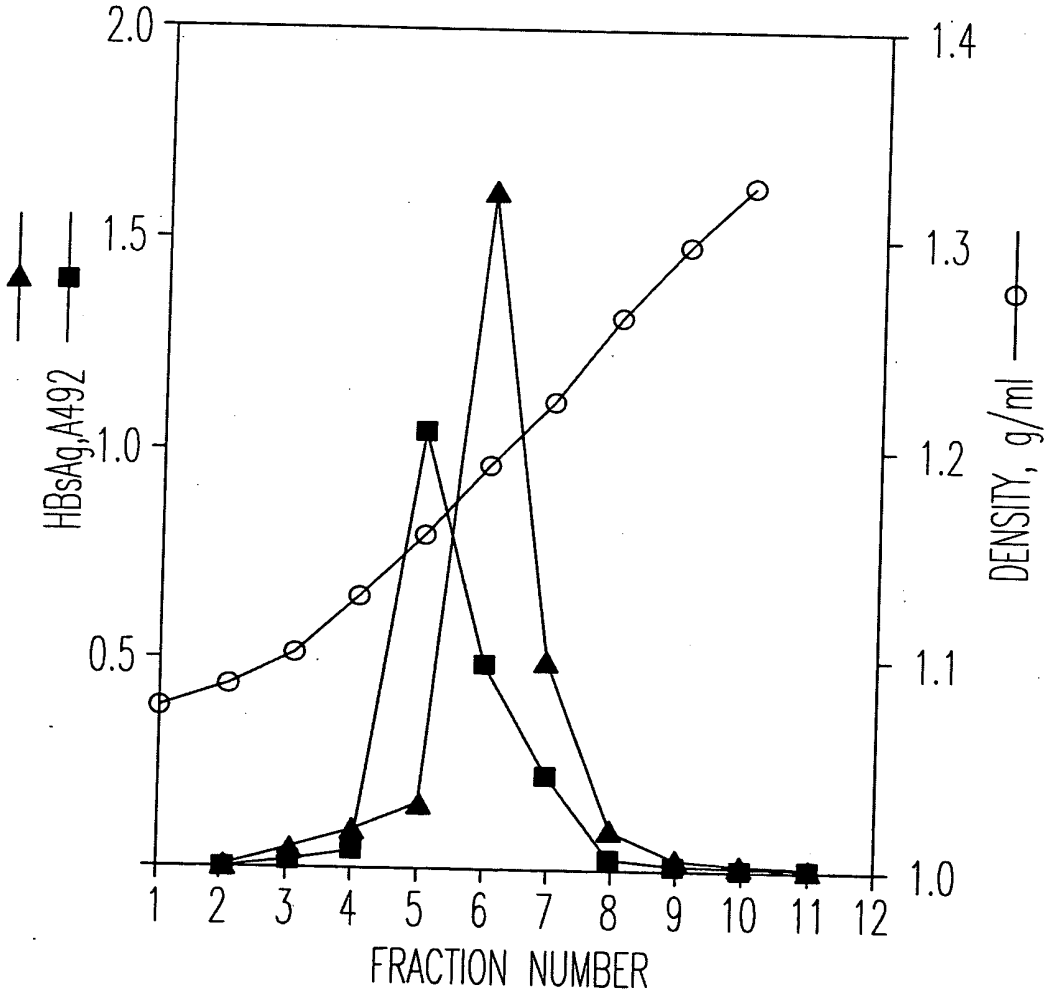

2.0
1.5
1.0
0.5
HBsAg,A492
1.4
1.3
1.2
1.1
1.0
DENSITY, g/ml
1 2 3 4 5 6 7 8 9 10 11 12
FRACTION NUMBER

Fig. 9

Fig. 10A

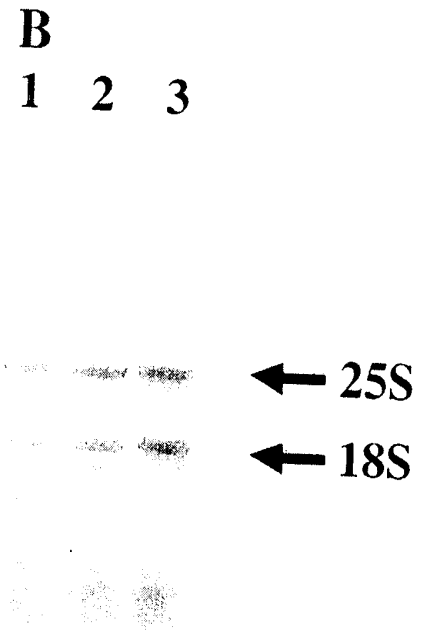


Fig. 10B

Fig. 11